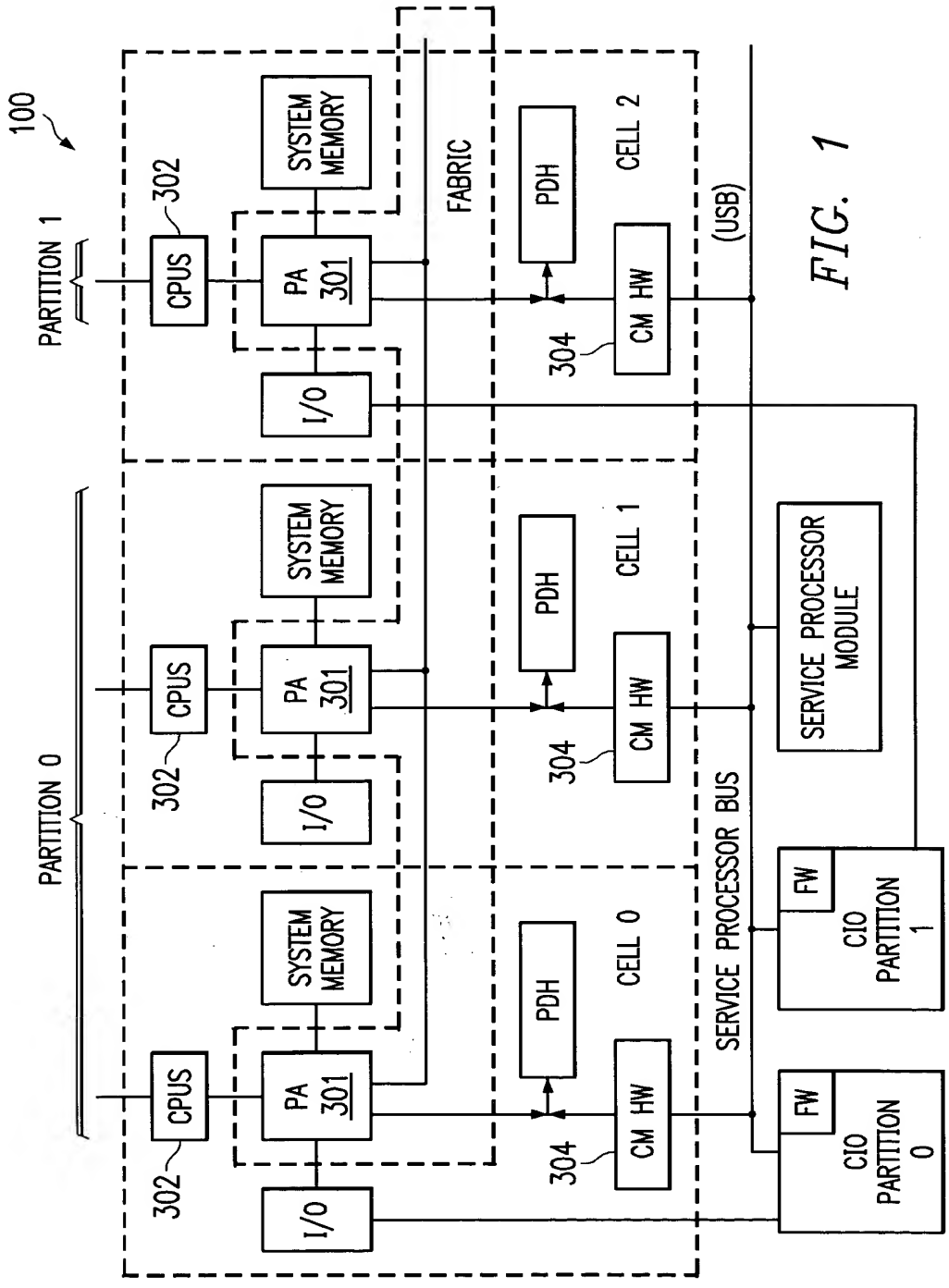
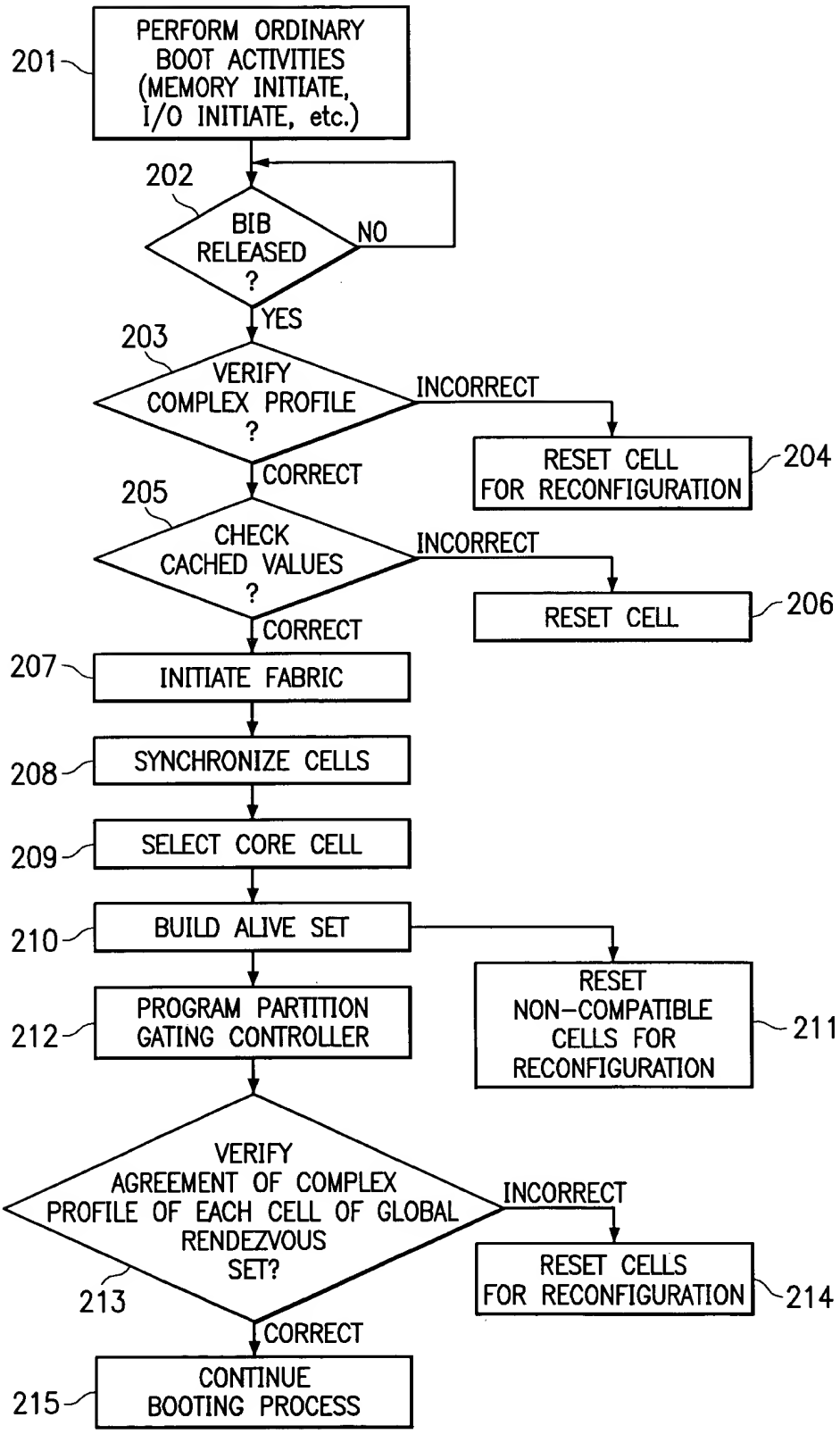

100
PARTITION 1
PARTITION 0
CPUS
302
PA 301
I/O
SYSTEM MEMORY
FABRIC
PDH
CM HW
304
CELL 2
CELL 1
CELL 0
(USB)
SERVICE PROCESSOR BUS
SERVICE PROCESSOR MODULE
FW
CIO PARTITION 1
CIO PARTITION 0

FIG. 1

FIG. 2


PERFORM ORDINARY BOOT ACTIVITIES (MEMORY INITIATE, I/O INITIATE, etc.)
201
202
BIB RELEASED ?
NO
YES
203
VERIFY COMPLEX PROFILE ?
INCORRECT
RESET CELL FOR RECONFIGURATION
204
CORRECT
205
CHECK CACHED VALUES ?
INCORRECT
RESET CELL
206
CORRECT
207
INITIATE FABRIC
208
SYNCHRONIZE CELLS
209
SELECT CORE CELL
210
BUILD ALIVE SET
RESET NON-COMPATIBLE CELLS FOR RECONFIGURATION
211
212
PROGRAM PARTITION GATING CONTROLLER
VERIFY AGREEMENT OF COMPLEX PROFILE OF EACH CELL OF GLOBAL RENDEZVOUS SET?
213
INCORRECT
RESET CELLS FOR RECONFIGURATION
214
CORRECT
215
CONTINUE BOOTING PROCESS

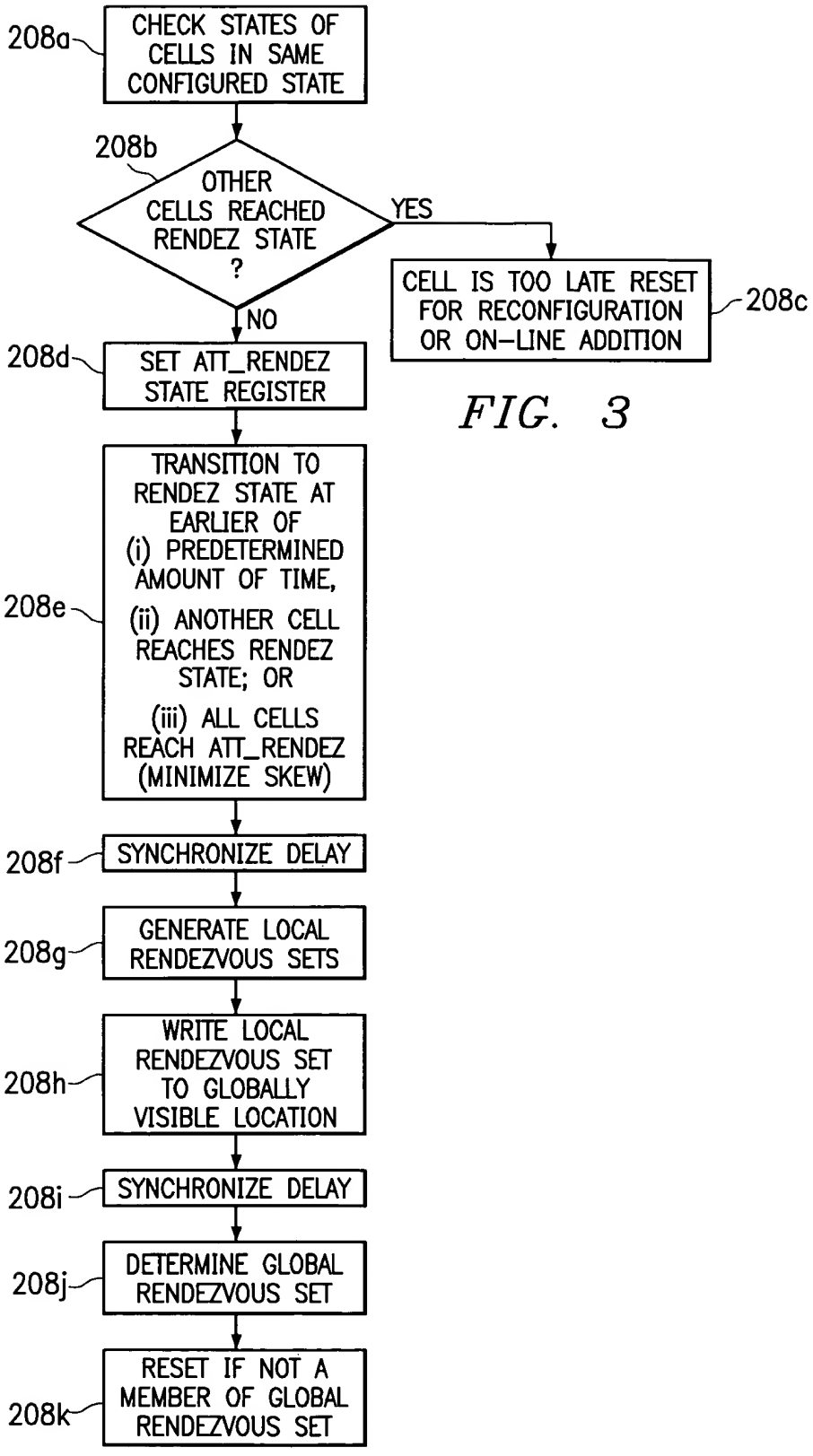

208a
CHECK STATES OF CELLS IN SAME CONFIGURED STATE
208b
OTHER CELLS REACHED RENDEZ STATE ?
YES
CELL IS TOO LATE RESET FOR RECONFIGURATION OR ON-LINE ADDITION
208c
NO
208d
SET ATT_RENDEZ STATE REGISTER
208e
TRANSITION TO RENDEZ STATE AT EARLIER OF (i) PREDETERMINED AMOUNT OF TIME, (ii) ANOTHER CELL REACHES RENDEZ STATE; OR (iii) ALL CELLS REACH ATT_RENDEZ (MINIMIZE SKEW)
208f
SYNCHRONIZE DELAY
208g
GENERATE LOCAL RENDEZVOUS SETS
208h
WRITE LOCAL RENDEZVOUS SET TO GLOBALLY VISIBLE LOCATION
208i
SYNCHRONIZE DELAY
208j
DETERMINE GLOBAL RENDEZVOUS SET
208k
RESET IF NOT A MEMBER OF GLOBAL RENDEZVOUS SET

FIG. 3